



311TH COSCOM



MG Paul Mock
Commanding General



PURPOSE

**To provide I CORPS Artillery
with information on 311th
COSCOM logistics initiatives
in support of Army
Transformation and its
support to the Corps.**



AGENDA

- **COSCOM Mission & METL**
- **Organization & Mission Tasks**
- **Support Concept/Transformation Initiatives**
- **Lessons Learned**
- **Road Ahead**
- **RSO&I**
- **Summary**



COSCOM MISSION & METL



COSCOM MISSION

(1 of 2)

**The 311 COSCOM will task
organize, deploy, establish
Combat Service Support
systems, and execute combat
service support operations in
support of I (US) Corps
operations.**

APPROVED BY I CORPS
OCT 97



COSCOM MISSION

(2 of 2)

The 311 COSCOM will provide EAB logistics fusion and coordination support to the SBCT in garrison and while deployed.

**6 MAY 2002 DRAFT
FROM I CORPS**



COSCOM METL

- **MOBILIZE AND STRATEGICALLY DEPLOY THE COSCOM**
- **SUPPORT RSO&I OPERATIONS**
- **SUPPORT OFFENSIVE AND DEFENSIVE OPERATIONS TO INCLUDE RECONSTITUTION AND MASS CASUALTY OPERATIONS**
 - **SUPPORT HUMANITARIAN RELIEF, POPULATION CONTROL, AND NEO**
- **CONDUCT FORCE PROTECTION OPERATIONS TO INCLUDE TACTICAL DISPLACEMENT**
- **SUPPORT LOTS OPERATIONS**

**SUBMITTED TO I CORPS
10 MARCH 2003**



ORGANIZATION & MISSION TASKS

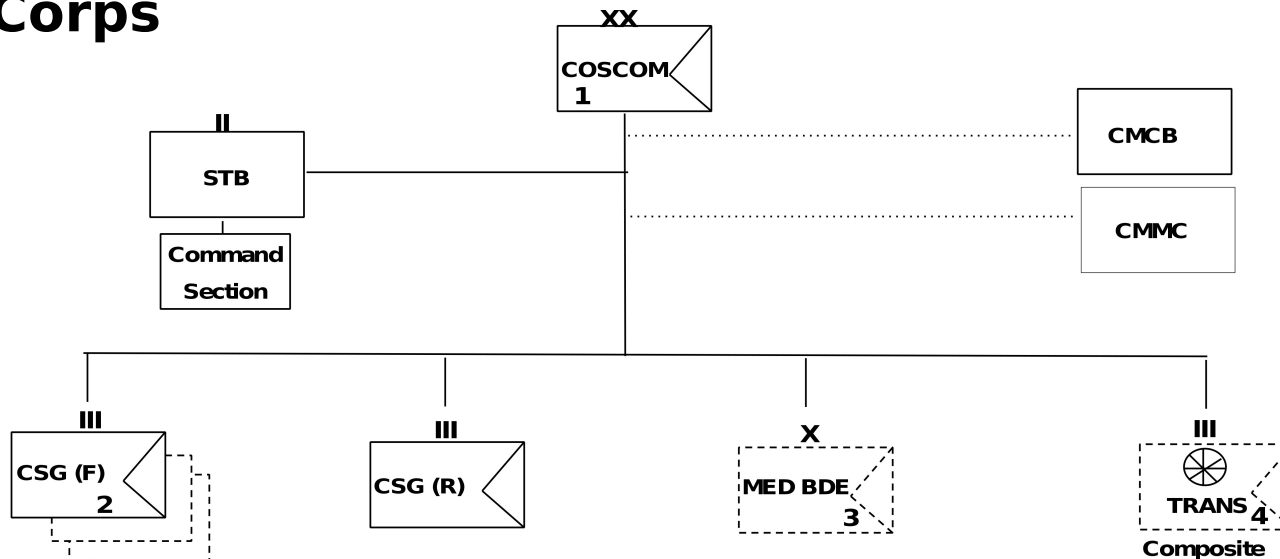


FORCE XXI COSCOM



Conducts offensive, defensive, stability and support actions in any environment to support the Army Force XXI Corps

XXI Corps



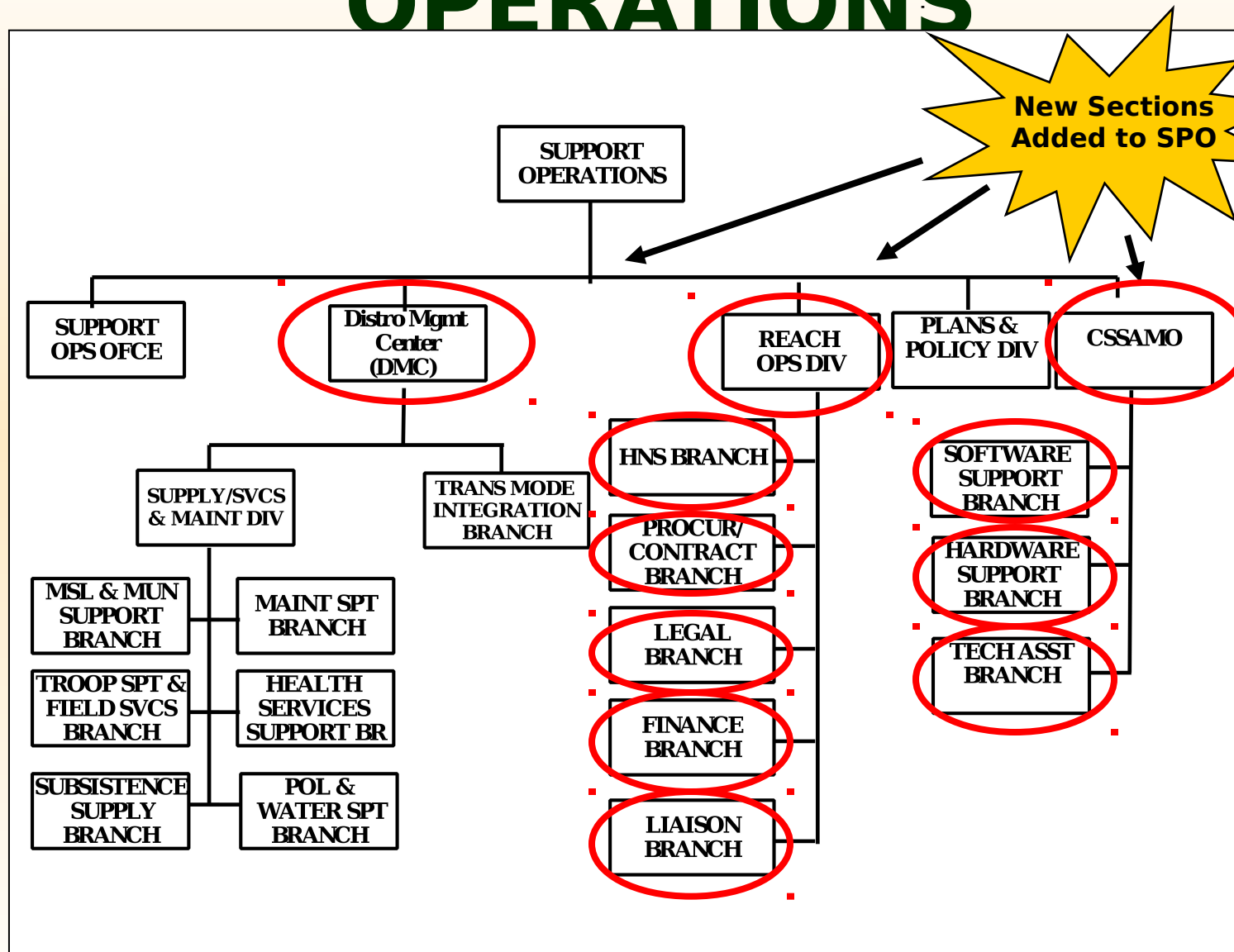
Legend:

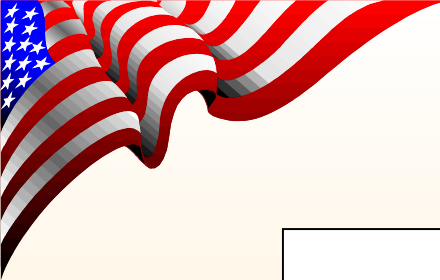
- 1- Chemical units, CA units or a CA battalion, and PSYOP units may be attached to the Corps or COSCOM.
- 2- Variable number of units.
- 3- Evolving FDU moves brigade to MEDCOM.
- 4- Attached if three or more functional Trans. Battalions assigned/attached.

From FM 4-93.3



SUPPORT OPERATIONS

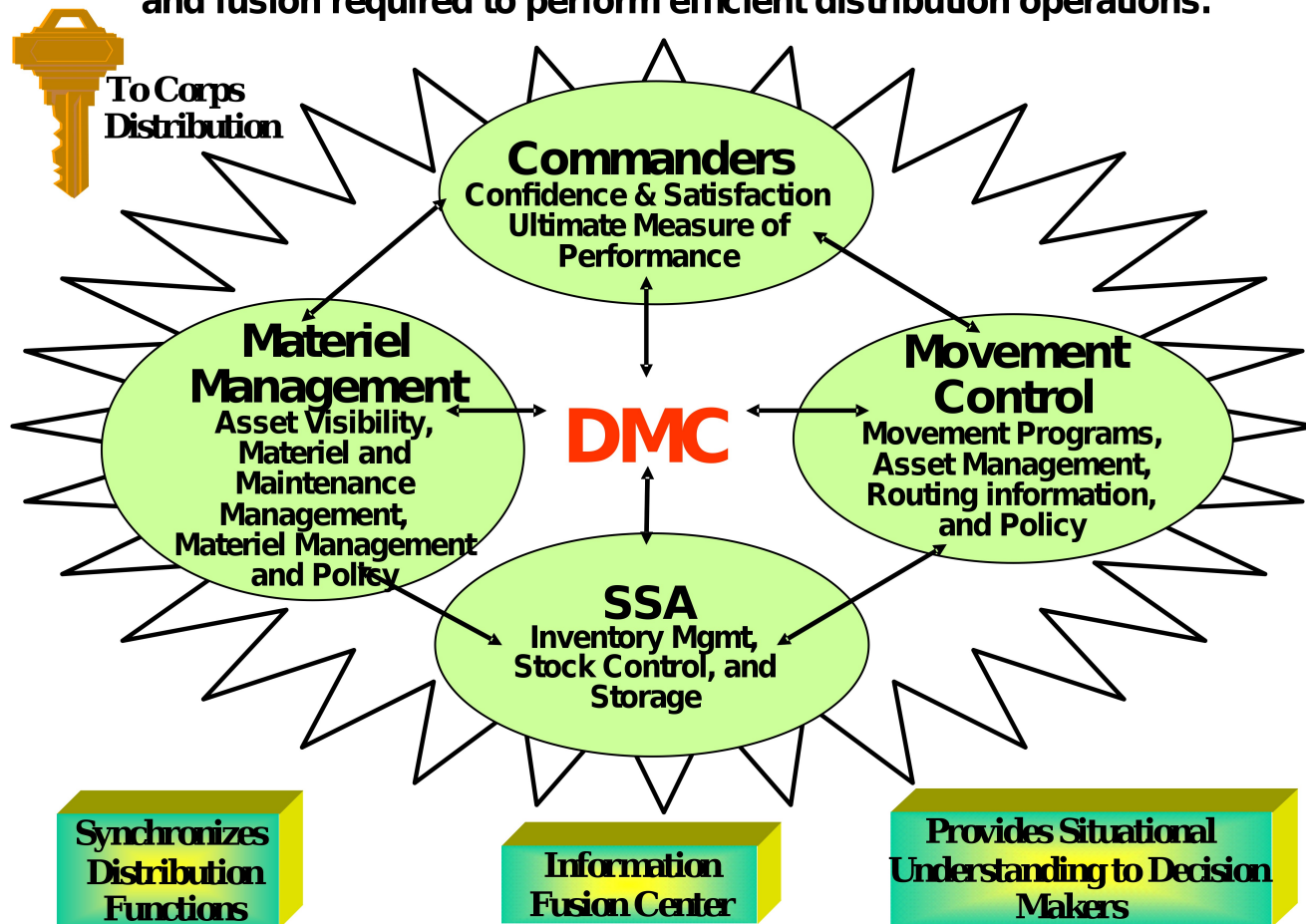




DISTRIBUTION MGMT CTR



Distribution Management Center: Providing the synchronization and fusion required to perform efficient distribution operations.

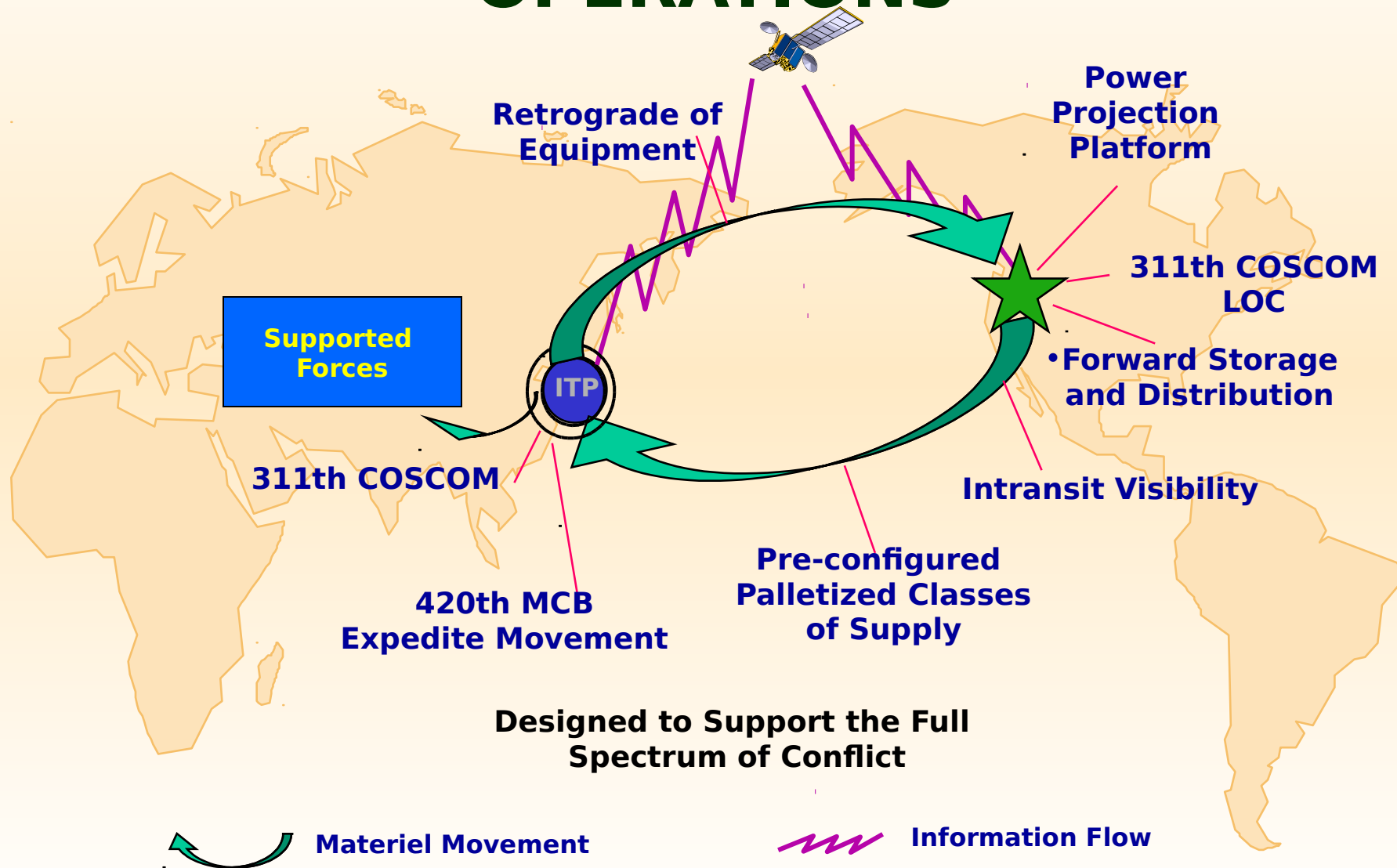




SUPPORT CONCEPT & TRANSFORMATION INITIATIVES



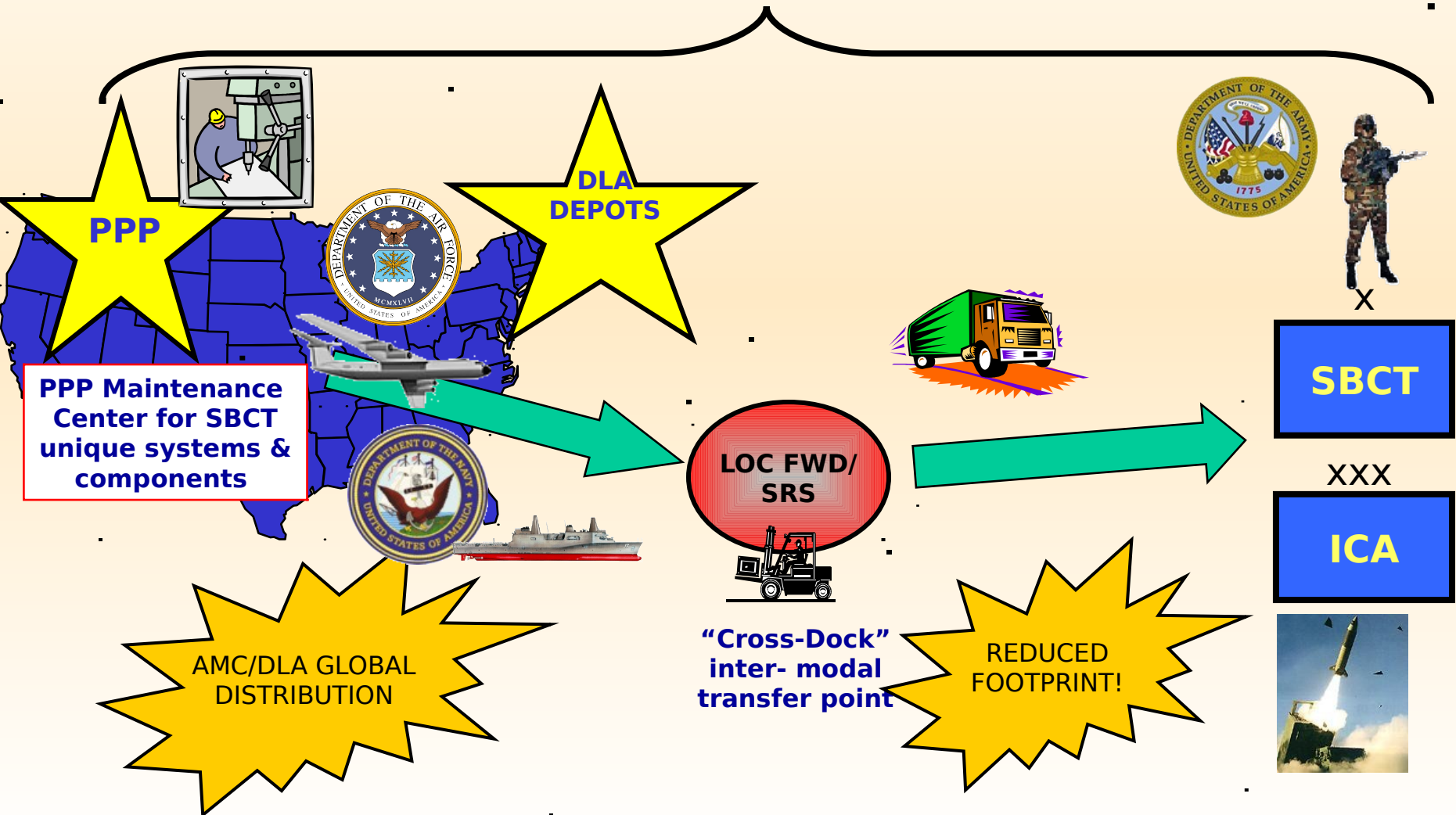
METHODOLOGY = REACH OPERATIONS





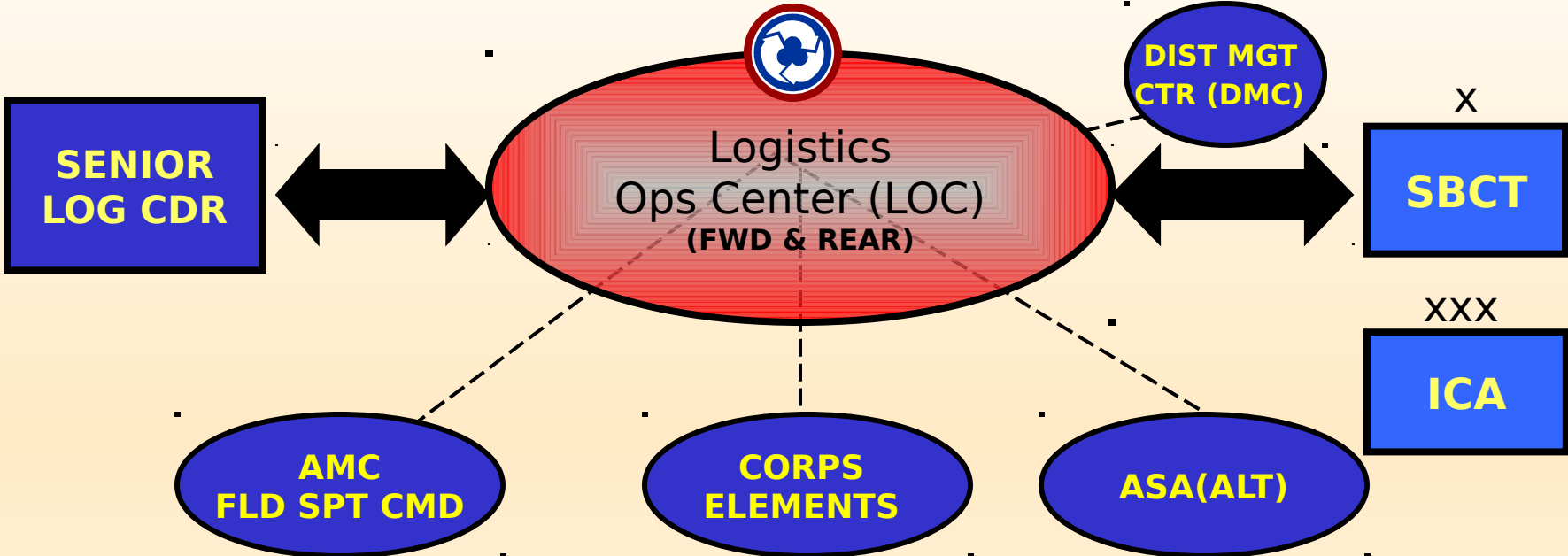
FLOW OF SUPPLIES AND PARTS

Part of the Warfight!





LOGISTICS C2 FUSION



**FUSION =
UNITY OF EFFORT!**

**TASK ORGANIZE
TO MEET CINC
REQUIREMENTS**

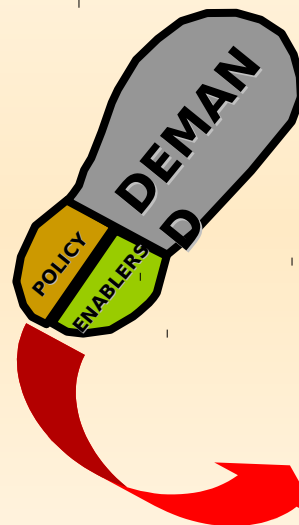
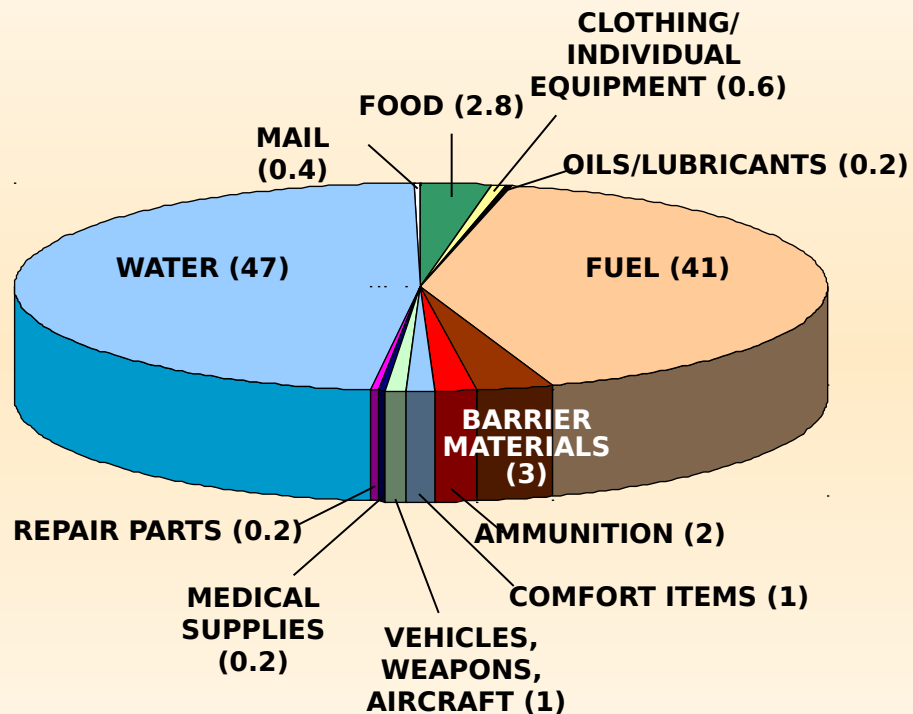
**WORKS IN
GARRISON, TNG, &
CONTINGENCIES**



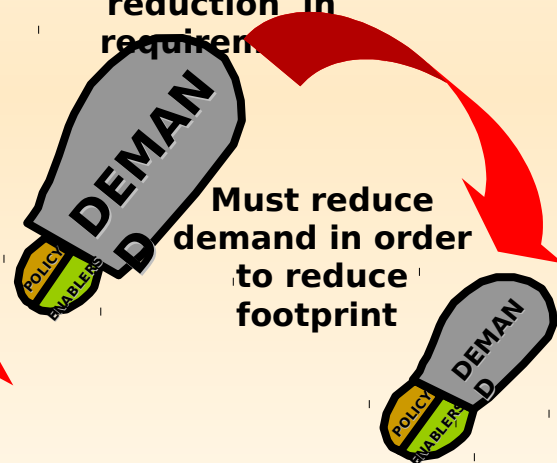
LOGISTICS FOOTPRINT



Typical Sustainment Requirements (% of sT)



Policies and enablers enhance the ability to manage demand.... but no significant reduction in requirement.



Water and fuel are the greatest logistics requirements. Develop systems that reduce demand for fuel and water to truly reduce footprint.



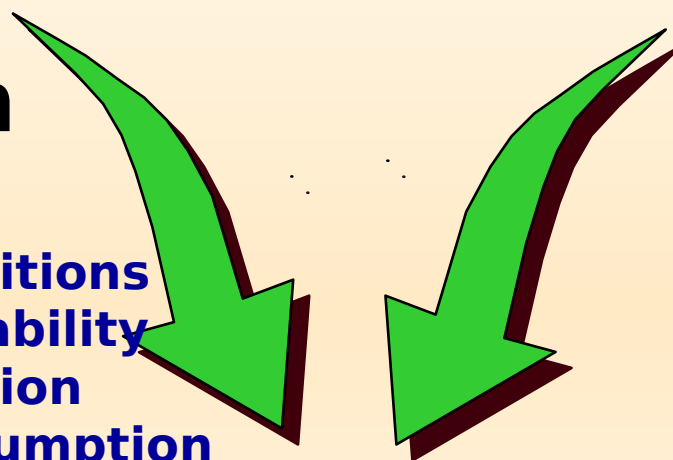
FOOT PRINT REDUCTION

Demand Reduction

- Fuel efficiency
- Improved Munitions
- Increased reliability
- Water production at point of consumption

Business Processes

- Distribution-based Logistics
- Predictive analysis and response



Footprint Reduction

- Reduced from 2 CSAs to 1 CSA
- Eliminates 40 square KM of storage area
- Reduction of DOS in CSA
- Throughput



LESSONS LEARNED



SBCT LESSONS LEARNED

(Communications)



- **Observation: EAB C2 and support units will require parallel communication systems to establish redundancy and flexibility in maintaining communication with the BSB.**
- **Discussion: On many occasions, due to distance and terrain, it may be difficult to reach representatives from the BSB to discuss support requirements. Likewise, the BSB may encounter the same problems in contacting EAB personnel to synchronize resupply activities.**
- **Recommendation: Ensure EAB units are equipped with the following communications capabilities:**
 - MSE MTS**
 - Iridium Phones CSSCS**
 - Black Jack Fax MCS Lite**

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SBCT LESSONS LEARNED

(EAB Manning)



- **Observation:** Although the ESG reconfigured loads to meet changing demands, the LTF needs to have sufficient personnel to perform this function.
- **Discussion:** The Logistics Task Force (LTF) is designed to conduct intermodal transfer of cargo for onward movement to the BSB. ESG personnel were pushed to the limit to make modifications to outbound loads to meet periodic changes to BSB support requirements. The LTF should have sufficient personnel to cover 24 hour operations with the capability to modify configured loads that are on-hand to meet the changing needs of the brigade. Time/Distance from an ISB or another location outside the theater of operation may not be responsive enough.
- **Recommendation:** Ensure the LTF has sufficient manning within the supply company/platoon to conduct modifications to configured loads.



SBCT LESSONS LEARNED

(Flatrack Management)



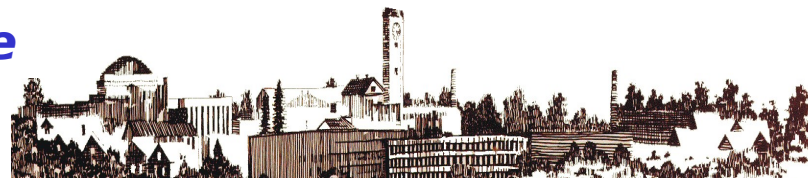
- **Observation: Supplies could not flow because units did not return flatracks.**
- **Discussion: Class V re-supply was greatly delayed because there were no flatracks available to move the munitions. When the flatracks were returned the previous load had to be unloaded before the Class V could be loaded and moved.**
- **Recommendation: The units need to offload their supplies from the flatracks so they can be used for other missions.**



Lessons Learned



LTG William S. Wallace
Combined Arms
Center





Logistics Stance



Fast paced operations early in the campaign made it impossible for our less-maneuverable logistics elements to keep up, much less set, receive, and distribute classes of supply

Must place more training emphasis on convoy operations, march discipline, and the use of ITV assets

Need a comprehensive Army wide joint logistics information solution for the Logistics COP - ITV, RF Tags, JDLM, STAMIS feeds

The Army repair parts ordering system did not work in the offense



Must flow transportation assets and MHE early to enable logistics over distances of this magnitude

Movement Control Units need significantly increased comms, ITV tracking, and survivability

The fight we fought was HE, and small arms heavy, while our initial turret and basic loads anticipated armor battles - UBL must be based on METT-T - Ammunition management needs more flexible, reliable management systems, and a more agile mindset



RSOI - Before and During the Fight

The TPFDD process, understood by deployment planners and executors, was replaced with a confusing request for forces (RFF) system

The RSOI process must be flexible and be able to accommodate adjustments in priorities as tactical operations develop



We must be able to effectively fight and flow at the same time

Logistics and RSOI units must be on the ground early to facilitate the building of combat power

Understanding when follow on elements will be available to join the fight is critical

Unclassified

Operation Iraqi Freedom



- **DIV must kill with all available assets**
- **Artillery worked**
- **Radar management is an art**
- **UAVs a must at DIV and BCT level**
- **HUMINT capability must be expanded**
- **TTPs and early integration with OGA/SOF critical**

FIRES



- **Through 9 APR, DIVARTY had expended 13,923 155mm projectiles, 121 SADARM, 794 rockets and 6 ATACMs**
- **657 Total 155mm Missions**
- **116 Total MLRS Missions**

SUSTAINMENT

- 10,000 3ID and V Corps Vehicles
- 21,000 (+) soldiers
- Drew from APS 5K, 5Q, 3 and 2
- Consumed 3.9 millions gallons fuel and 1.1 million MREs

- RSOI / APS is a commanders business requiring intense management
- APS operational readiness determined success. Require ASL and classes of supply
- **Logistics is the most challenging operation conducted on the battlefield**
- **Just-in-time logistics is not sufficient to support the tip of the spear**





ROAD AHEAD



EXERCISE TRAINING OBJECTIVES



- **Right stuff, right place, at the right time**
- **Daily adjustment of push-packages**
- **Maximum use of configured loads**
- **Situational Awareness/Force Protection**
- **Predictive Logistics for on time delivery**
- **Reduce logistics footprint on the battlefield**
- **Operate DMC - Synchronization of resources to ensure priorities are met**

YAMA SAKURA

45

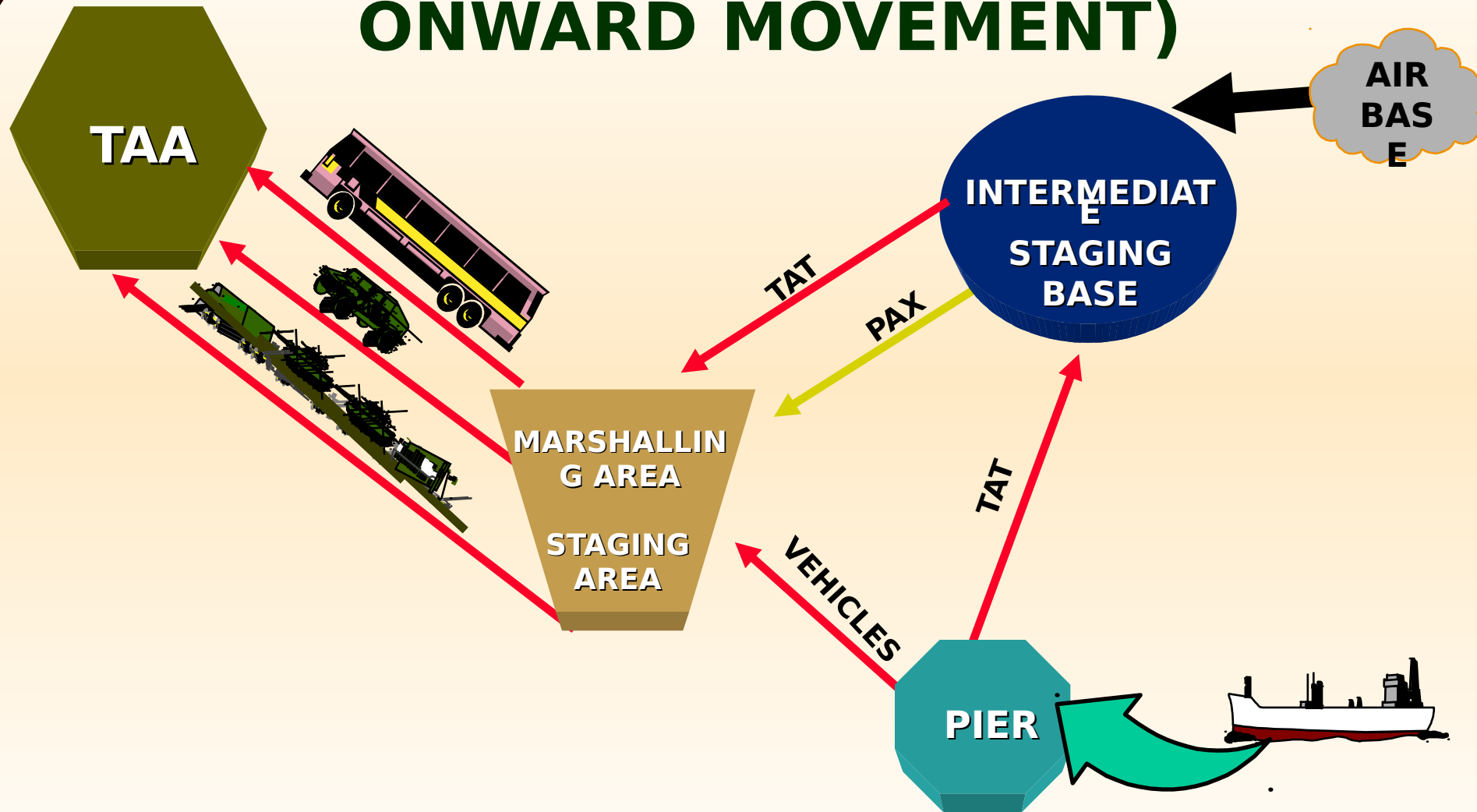
RSO&I

**CORPS
WARFIGHTER**

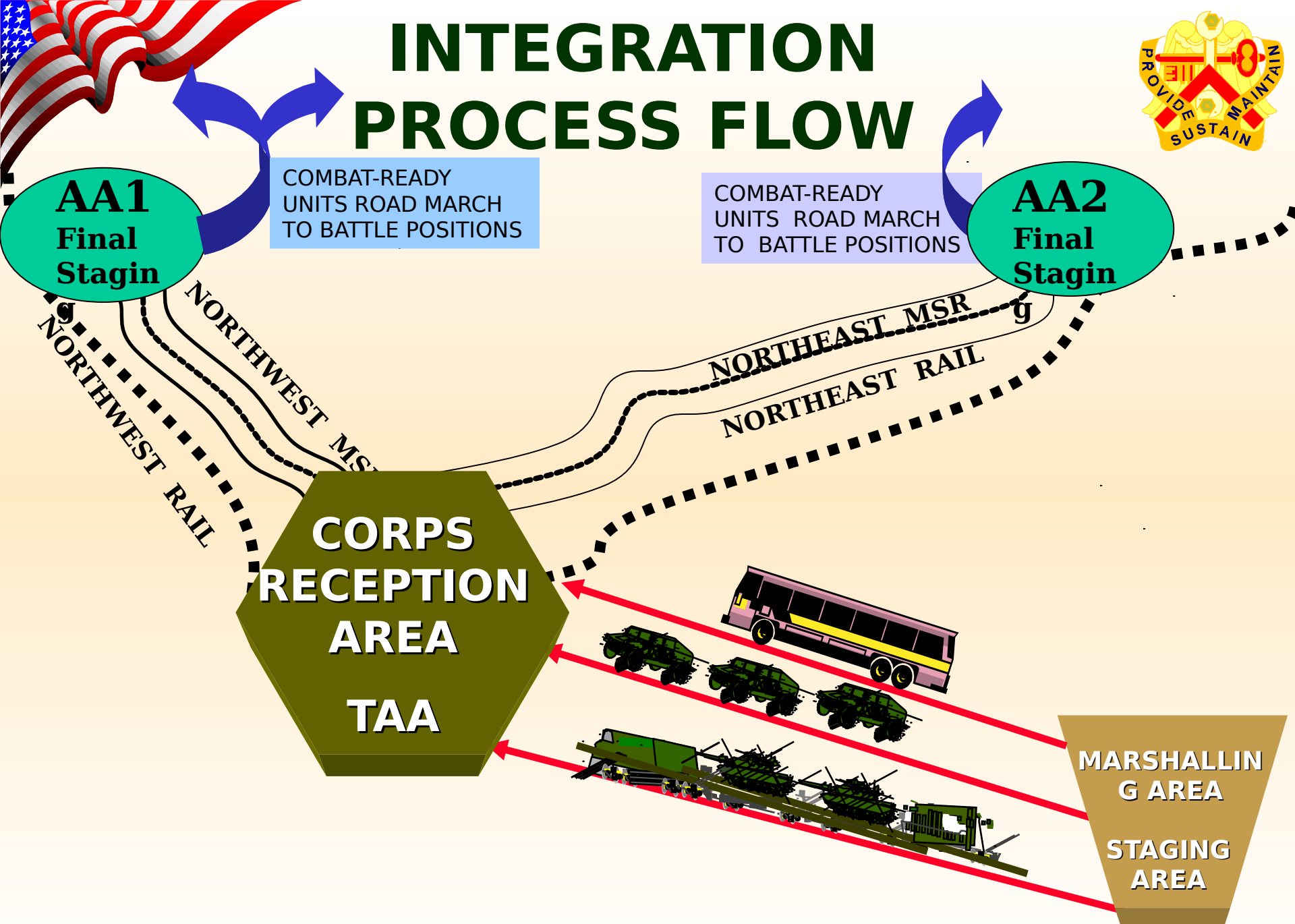


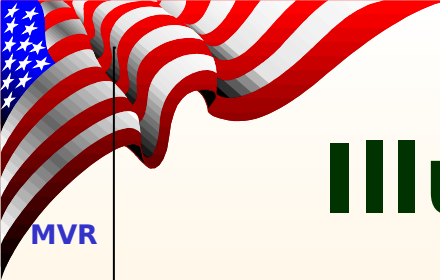
RSO&I SLIDES

RSO FLOW (ASG RESPONSIBLE THROUGH ONWARD MOVEMENT)



INTEGRATION PROCESS FLOW





EARLY Force Flow Illustration For A CORPS MLRS FA BDE



MVR

FA

ENG

ADA

CSS

C2

(NO ENG SPT FOR EARLY ENTRY
UNITS)

(NO MVT CTL TMS AVAIL FOR EARLY ENTRY
UNITS)

(MOST CSS PROVIDED BY AREA SPT GRP USING SUPPLY
PT DIST)

C+45
ACTUAL TIMELINE)

C+50

C+55

C+60

C+65 (NOT



KEY RECEPTION TASKS

- **Receive and account for all corps personnel and equipment**
- **Maintain close coordination with the RSO ASG to obtain advance notice of most incoming trains, convoys, HN trucks and buses**
- **Synchronize the release of buses and convoys to minimize wait time at railheads**
- **Provide some life support accommodations to any units required to stay at the reception center**
- **Maximize the use of MTS to aid in tracking both inbound and outbound vehicles**
- **Provide liaison services to HN rail authorities**



KEY RECEPTION TASKS (CONT.)

- Be prepared to issue class I, II, IIIB, IIIP, IV, V, VIII & IX at the reception area railhead and every other railhead used as a staging area
- Provide ample supplies of bottled water to meet the increased requirements during integration
- Prior to adequate CSS units availability, coordinate the utilization of LOGCAP to bring in HN supplies and labor
- HN resources will likely move some supplies and equipment all the way to the AO of the integrating unit



RAIL CONSIDERATIONS FOR THE MLRS FA BDE



- **Not all tracked vehicles will travel by rail**
- **Only 109 rail cars exist with the capacity to carry our tracked vehicles**
- **Large Wartime Movement Programs exists to move Korean supplies Northward**
- **If rail MSR # 1 gets interjected, onward movement may be affected by a factor of 4**
- **Equipment being trucked by HN, not traveling in a convoy of the owning unit, presents additional coordination**



INTEGRATION MISSION

- **Enable units to quickly prepare for combat operations by providing the necessary equipment, personnel services, management, and supplies, allowing the incoming unit to seamlessly integrate into the Corps combat power base.**
- **Endstate: Integration ends when a unit occupies its AO with sufficient personnel, equipment, and supplies to successfully accomplish its mission.**



RSOI ISSUES



- **Need unit locations on the ground identified.**
- **Identify any additional lift requirements over and above what you can carry with organic lift.**



SUMMARY

- **COSCOM Mission & METL - Focus on support to the Corps.**
- **Organization & Mission Tasks - Task organized with reduced footprint forward.**
- **Support Concept - Reach Operations designed to support the full spectrum of conflict.**
- **Information Technology - Enables footprint reduction; Less legs, less real-estate, less time, less cost, increased speed and effectiveness.**
- **Lessons Learned - Operation Iraqi Freedom**

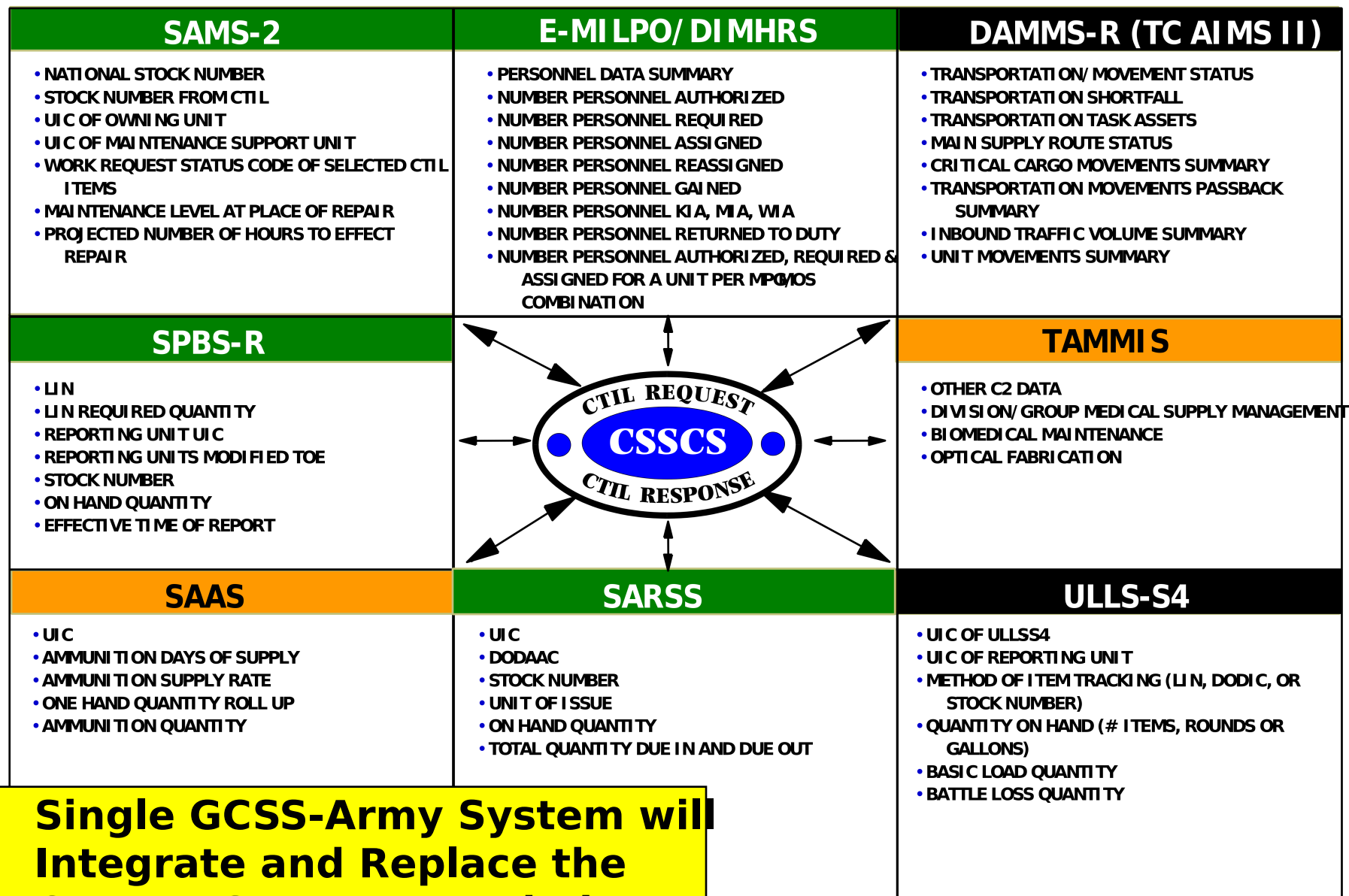


QUESTIONS?



INFORMATION TECHNOLOGY (Extra Slides)

CSSCS to STAMIS Interfaces



Single GCSS-Army System will Integrate and Replace the Current Separate Logistics

STAMIS II



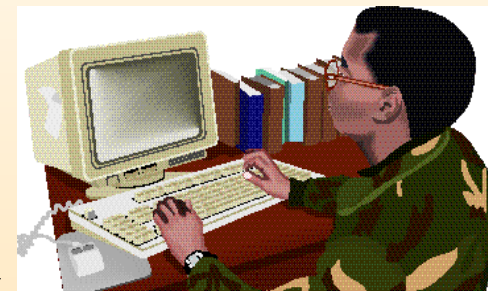
TOTAL ASSET VISIBILITY



Customer



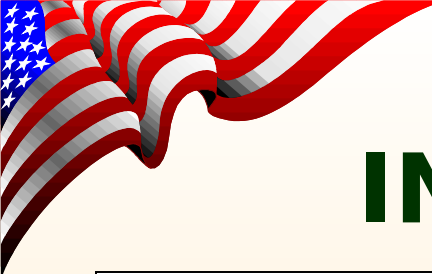
MMT
Rep



Manager

Ammo Storage Area

TAV is the *capability* to provide users with timely and accurate information on the *location, movement, status* and *identity of units, personnel, equipment* and *supplies*. It *facilitates* the capability to *act upon* that information to improve overall performance of DoD's logistics practices.

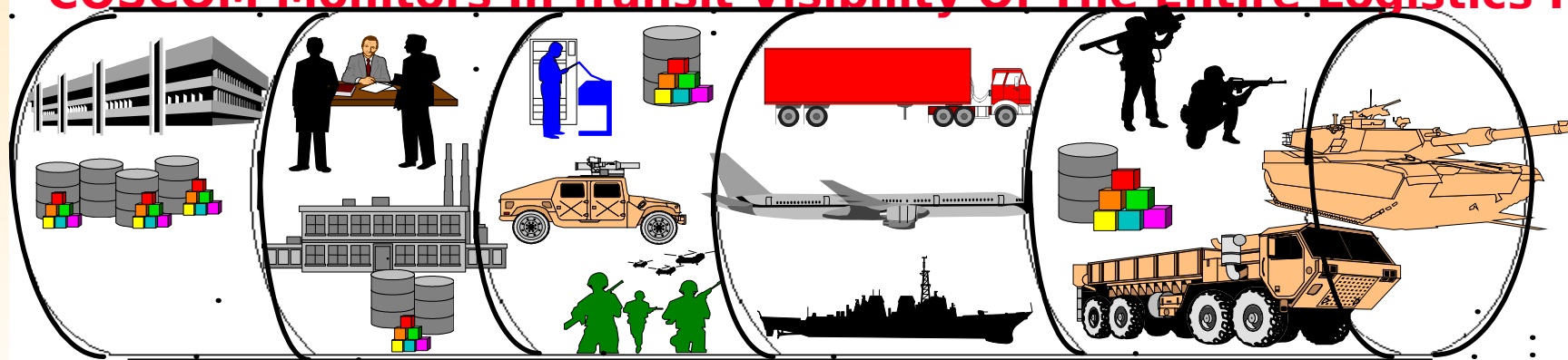


IN TRANSIT VISIBILITY

ITV is the *capability to identify* and *track the movement* of defense cargo, passengers, medical patients, and personal property *from origin to destination.*

**TC-AIMS
II IS
BEING
FIELDDED**

COSCOM Monitors In-Transit Visibility Of The Entire Logistics Pipe



In-Storage/Process →

In-Transit →

In-Theater →

TCAIMS II

Provides ITV & Tracking

